



Xiaoqian Chao

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Education

Jilin University (985 Bachelor of Engineering Electrical & Information Engineering) 2019.09-2023.06

- **score:** 89.32/100
- **rank:** 9/128 (7%)
- **English level:** CET-6 (510)
- **correlated curriculum:** Digital electronic technology | analog electronic technology | signal and system | automatic control principle | Microcomputer principle and system design

Fudan University(biomedical engineering)

2023.09 to the present

- **research area :** NMR-imaging

Research competition experience

iCAN National College Students Innovation and Entrepreneurship Competition- "Intelligent Internet Shopping Guide Robot"

- **contents:** This product is an intelligent robot of human-computer interaction, navigation and shopping guide for the airport. According to the needs of the airport, the product has unique functions: such as automatic flight letter broadcast Interest, scanning automatically navigate the gate, and various places, background data monitoring and terminal control, etc.

Design of engine automatic flameout electronic control unit

- **contents:** After the signal passes the rectifier filter circuit and logic judgment circuit, the signal, different output drive current is generated. According to the different logical states of the input signal, the shutdown and opening of the oil solenoid valve are controlled to realize the automatic flameout function.

Intelligent DCDC power supply based on SU

- **contents:**Based on ATC89C51, using L293D switch, combined with buck circuit to design a position PID to adjust the duty cycle, stable voltage voltage circuit.

Honorary award

Competition award:

- 2021 iCAN National College Students' Innovation and Entrepreneurship Competition-national second prize
- 2021 "Wasu Cup" National College Students Mathematical Modeling Competition-National first prize
- The 2021 American College Student Mathematical Modeling Contest H Award
- Excellence Award of "Electric Association Cup" Electronic Design Competition of School of

Electronic Science and Engineering, Jilin University

scholarship:

- Jilin University First Class Scholarship of 2020-2021 Academic Year (5%) and University

Outstanding Student Leader (2 times)

- Outstanding students in the 2019-2020 and 2020-2021 academic years

Social award:

- Third prize of excellent team in 2020
- Excellent Student Model of School of Electronic Science and Engineering, Jilin

University- -Advanced Individual of Volunteer Service

Skills

- **Programming language:** C / C + +, Verilog HDL, Python, and Arduino
- **hardware:**Skilled in design, construction, using common instruments to measure and debug common circuits, developing stm32F1, stm32F4 series, FPGA, Raspberry Pi, TM4C123G, Arduino, Openmv, etc., familiar with including MPU6050, optical flow module, ADS1292, lidar and other sensor modules.
- **software:**Quartus II, Vivado and other FPGA software,Keil, Arduino, CLion, OpenMV IDE and other programming software,Altium Designer, Cadence and other PCB design software,Matlab, Tableau and other data analysis software.